

## ABSTRACT

An aircraft catastrophic security system is provided to prevent terrorists and major aircraft equipment failures from causing major catastrophic results in the air or on the ground. The system employs on-board aircraft danger signal personnel and devices to generate danger signals, a complex code scheme to assure security of signals, on-board aircraft processing devices to sense the danger signals, to place the aircraft into a controlled, restricted state, to signal external processing devices and authorized personnel of the dangerous on-board aircraft conditions, and to inform national and local authorities of the aircraft's condition. Even without danger signals from the aircraft, the external authorized personnel may deem to take over control of the aircraft. In either case, by way of an on-board aircraft control device, the aircraft catastrophic security system also remotely, controllably operates the aircraft from the external processing device, so as to enforce safe disposition of the aircraft.